

Treatment of nonunions with ESWT using Orthima-Dyrex

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This paper is about the treatment of non-union after orthopaedic surgery with, at least, one year of evaluation and an biologic problem and not an poor fixation.

We use and Orthima-Direx device and make the therapy on ambulatory, without use of anesthesia and no inetrnation.

We localize the point of application using x-ray with an metal point over the skin or we make an measurement between the focus and one bone mark.

The treatment is done with 2000 shock waves (300 level 1 low energy, 300 level 2 medium energy, 400 level 3 high energy and 1000 level 4 high energy) and we repeat after 3 and 6 weeks.

Between 2003 and 2004 we treat 8 patients with non-union . One radius, one ulna, one scaphoids, one humerus and 4 femur.

We have the consolidation of the non-union after 3 months of the last session in 7 patients .

The only one femur that does not consolidate was in fact an por fixation and we necessity to make a new surgery last month.

We conclude that its possible to treat non-unions without anesthesia and internation with good results.